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	Filing Date		2006-04-26	
	First Named Inventor	Dietmar KRAUTWURST		
	Art Unit			
	Examiner Name			
	Attorney Docket Number	102790-211/30246US		

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1	Szekeres PG. Functional assays for identifying ligands at orphan G protein-coupled receptors. Receptors Channels. 2002;8(5-6):297-308	<input type="checkbox"/>
2	Wilson S, Bergsma DJ, Chambers JK, Muir AI, Fantom KG, Ellis C, Murdock PR, Herrity NC, Stadel HM. Orphan G-protein-coupled receptors: the next generation of drug targets? Br J Pharmacol. 1998 Dec;125(7):1387-92	<input type="checkbox"/>
3	Shaaban S, Benton B. Orphan G protein-coupled receptors: from DNA to drug targets. Curr Opin Drug Discov Devel. 2001 Sep;4(5):535-47	<input type="checkbox"/>
4	Joost P, Methner A. Phylogenetic analysis of 277 human G-protein-coupled receptors as a tool for the prediction of orphan receptor ligands. Genome Biol. 2002 Oct 17;3(11):RESEARCH0063.	<input type="checkbox"/>
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6	Lucas KA, et al. Guanylyl Cyclases and Signaling by Cyclic GMP. Pharmacol Rev. 2000 Sep;52(3):375-414.	<input type="checkbox"/>
7	Gibson AD, Garbers DL. Guanylyl cyclases as a family of putative odorant receptors. Annu Rev Neurosci. 200;23:417-39.	<input type="checkbox"/>
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12	Bakalyar H. A. and Reed R. R. (1990) Identification of a specialized adenylyl cyclase that may mediate odorant detection. Science 250, 1403-6.	<input type="checkbox"/>
13	Baker H., Cummings D. M., Munger S. D., Margolis J. W., Franzen L., Reed R. R. and Margolis F. L. (1999) Targeted deletion of a cyclic nucleotide-gated channel subunit (OCNC1): biochemical and morphological consequences in adult mice. J. Neurosci, 19, 9313-21.	<input type="checkbox"/>
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15	Bozza J., Feinstein P., Zheng C. and Mombaerts P. (2002) Odorant receptor expression defines functional units in the mouse olfactory system. J Neurosci, 22, 3033-43.	<input type="checkbox"/>
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23	Dhallan R.S., Yau K.W., Schrader K.A. and Reed R.R. (1990) Primary structure and functional expression of a cyclic nucleotide-activated channel from olfactory neurons. Nature, 347, 184-7.	<input type="checkbox"/>
24	Duchamp-Viret P., Duchamp A. and Chaput M.A. (2000) Peripheral odor coding in the rat and frog: quality and intensity specification. J Neurosci, 20, 2383-90.	<input type="checkbox"/>
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28	Fulle, H.J., Vassar, R., Foster, D.C., Yang, R.B., Axel, R. and Garbers, D.L. (1995) A receptor guanylyl cyclase expressed specifically in olfactory sensory neurons. Proc Natl Acad Sci USA 92, 3571-5.	<input type="checkbox"/>
29	Gaillard I., Rouquier S., Pin J.P., Mollard P., Richard S., Barnabe C., Demaille J. and Giorgi D. (2002) A single olfactory receptor specifically binds a set of odorant molecules. Eur J Neurosci, 15, 409-18.	<input type="checkbox"/>
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32	Grosch W. (2001) Evaluation of the key odorants of foods by dilution experiments, aroma models and omission. Chem Senses, 26, 533-45.	<input type="checkbox"/>
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44	Lucas K.A., Pitari G.M., Kazerounian S., Ruiz-Stewart I., Park J., Schulz S., Chepenik K.P. and Waldman S.A. (2000) Guanylyl cyclases and signaling by cyclic GMP. Pharmacol Rev, 52, 375-414.	<input type="checkbox"/>

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45	Ludwig J., Margalit J., Eismann E., Lancet D. and Kaupp U.B. (1990) Primary structure of cAMP-gated channel from bovine olfactory epithelium. FEBS Lett, 270, 24-9.	<input type="checkbox"/>
46	Malvi. and Shepherd G.M. (2000) Functional mosaic organization of mouse olfactory receptor neurons. Proc Natl Acad Sci USA, 97, 12869-74.	<input type="checkbox"/>
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48	Meyer M.R., Angele A., Kremmer E., Kaupp U.B. and Muller F. (2000) A cGMP-signaling pathway in a subset of olfactory neurons. Proc Natl Acad Sci USA, 97, 10595-600.	<input type="checkbox"/>
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☒ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Andrew N. Parfomak/	Date (YYYY-MM-DD)	2006-10-13
Name/Print	Andrew N. Parfomak	Registration Number	32431

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